

AMENDMENTS TO THE CLAIMS

1-10. (Cancelled)

11. (Currently amended) A method for treating cancer comprising:
extracting blood from a patient in need of cancer treatment;
concentrating platelets from the blood;
processing the platelets in a manner which breaks open the platelets and obtaining a platelet releasate; and
administering the platelet releasate to the patient in need of cancer treatment.

12. (Original) The method of claim 11, wherein the processing comprises exposing the platelets to energy waves.

13. (Original) The method of claim 11, wherein the administering comprises injecting the platelet releasate into a tumor of the patient.

14. (Currently amended) The method of claim 11, wherein the administering comprises injecting the platelet releasate into a cancerous tumor of the patient.

15. (Currently amended) The method of claim 14, further comprising:
separating α-substantially all growth factor protein from the platelet releasate prior to administering the platelet releasate to the patient.

16. (Currently amended) A method of treating cancer, comprising:
extracting blood from a patient;
concentrating platelets from the blood;
processing the platelets in a manner which breaks open the platelets obtaining a platelet releasate;
formulating the platelet releasate into an injectable formulation buffered to a pH of 7.4 ± 5%; and

administering a therapeutically effective amount of the formulation to a patient in need of cancer treatment.

17. (Currently amended) The method of claim 9–16 wherein the patient treated with the formulation is the same patient from which the blood is extracted from, and the formulation is buffered to pH 7.4 ± 2%; and wherein the platelets are processed for a period of time and under conditions so as to break open 90% or more of the platelets; and further wherein the patient from which the blood is extracted is the same patient to which the formulation is administered.

18. (Original) The method of claim 17, further comprising:

repeatedly administering a therapeutically effective amount of the formulation to the patient over a period of time while monitoring the patient and adjusting dosing to effectively treat the cancer.

19. (Currently amended) A method of cancer treatment, comprising:

extracting blood from a patient;

concentrating platelets from the blood;

processing the platelets in a manner which breaks open the platelets obtaining a platelet releasate;

placing cells on a culture median medium comprising the platelet releasate;

allowing the cells to proliferate on the culture medium;

isolating the cultured cells;

formulating the isolated cells into an injectable formulations; and

administering the injectable formulation to a patient in need of cancer treatment.

20. (Original) The method of claim 19, wherein the cells placed on the culture medium are obtained from the same patient the blood is extracted and the cells are from the patient's bone marrow prior to subjecting the patient to radiation;

wherein the ultrasound processing is carried out for a period of time and under conditions so as to break open 90% or more of the platelets; and

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wherein the blood is extracted from the same patient as the cells and the cells comprise adult stem cells.

21-28. (Cancelled)